

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0878325022

Status:

Active

Overview:

Milli-Grid™ Connector System

Description:

Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-Free, 50 Circuits, 0.38µm Gold (Au) Plating, Pick-and-Place Cap, with Locking Windows and Center Polarization Slot, PCB Locator, Tube

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87831-027 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

PCB Headers

87832

Signal, Wire-to-Board

With Cap|Contact Molex for application in automotive industry

Overview

Product Name

UPC

Milli-Grid™ Connector System

Milli-Grid™

822348274611

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Net Weight

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface

Pitch - Termination Interface

Plating min - Mating

Plating min - Termination

Polarized to PCB

Robotic Placement

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

No

50

50

Black

100

No

94V-0

No

No

Yes

Yes

Phosphor Bronze

Gold

Tin

Nylon

2.172/g

2

Vertical

No

None

Tube

2.00mm

2.00mm

0.381µm

1.905µm

No

Pick and Place Cap

Fully

No

Yes

-55°C to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2014 December 17): No

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

Search Parts in this Series

87832 Series

Mates With

Milli-Grid™ Vertical Through Hole Receptacle [79107](#) , [78787](#) , Milli-Grid™ Flex-to-Board Vertical Receptacle [79108](#) , Milli-Grid™ Vertical Surface Mount Receptacle [79109](#) , [78788](#) , Milli-Grid™ Crimp Housing [51110](#) , Milli-Grid™ Cable-to-Board Receptacle [87568](#)

Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	2.0A
Voltage - Maximum	125V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-87831-027
Sales Drawing	SD-87832-006

This document was generated on 07/07/2015

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION